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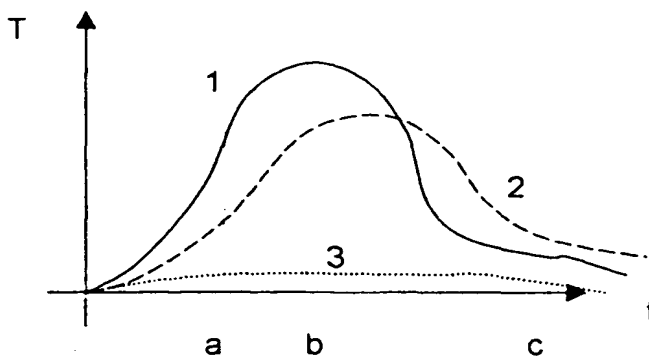
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(54) Title: METHOD AND RELEVANT DEVICE FOR REVEALING OBJECTS



(57) Abstract: The invention concerns a method, and rele-
vant device, for remote sensing objects, characterised in that
said objects are in a condition of thermal emission that is
variable during time, and in that it comprises the following
phases: A. acquisition of a map of the radiation coming from
the surface of the portion of space within or behind which the
object to be sensed is supposed to be, at least at a first time
 t_1 and a second time t_2 , such times being successive to each
other; B. acquisition of map of the radiation coming from the
surface of said portion of space, considered at a third instant
 t^* different from said at least two times t_1 and t_2 ; C. summa-
tion of he maps of said at least two times t_1 and t_2 as obtained
from the phase A; D. subtraction of the map at said time t^* as
resulting from the phase B, from the sum as resulting from

the phase C, E. comparison between the values of each portion of map area as resulting from the phase D and a threshold value of
the radiation intensity for the material of the sought objects; F. identification of the material of the object under investigation with
the sought material, when the result of the comparison of the phase E has provided the presence of at least a certain number n of area
portions of said space portion, with $n \geq 1$, whose value for said radiation is larger than said threshold value.

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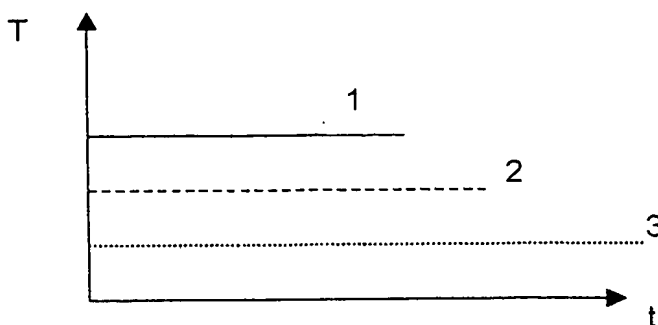


Figura 1

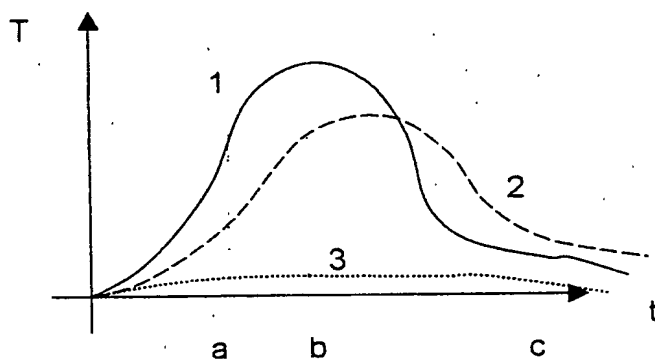
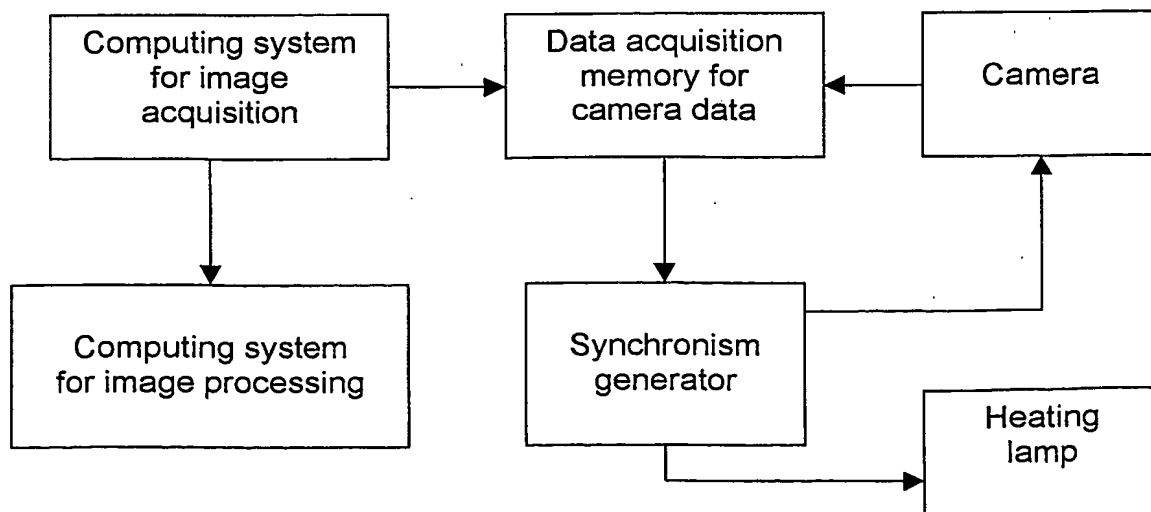


Figura 2

Figura 3



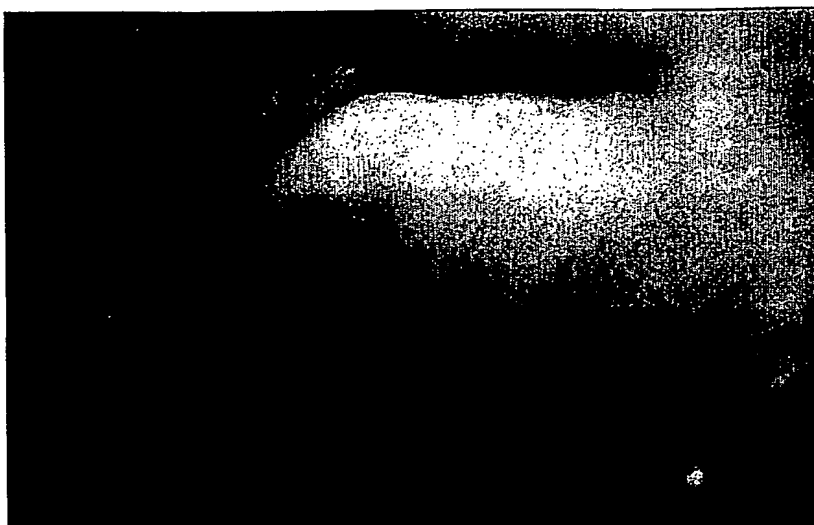


Fig. 4



Fig. 5

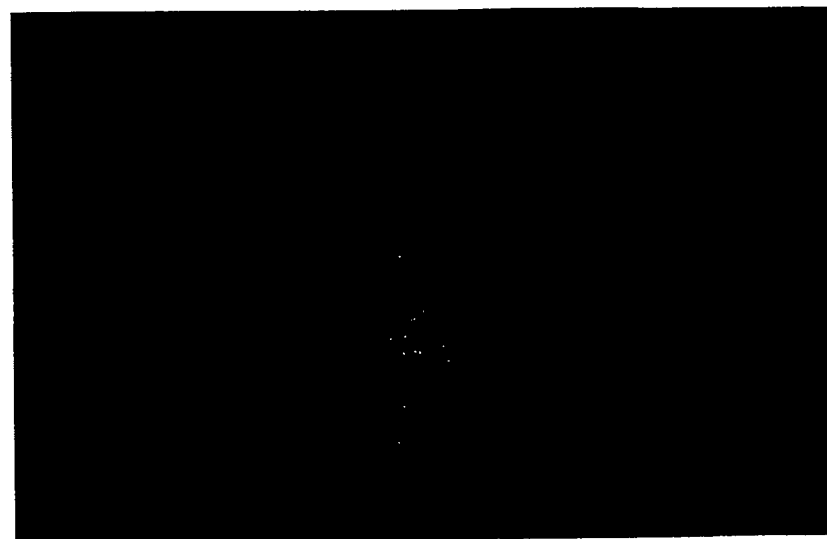


Fig. 6

Fig. 7

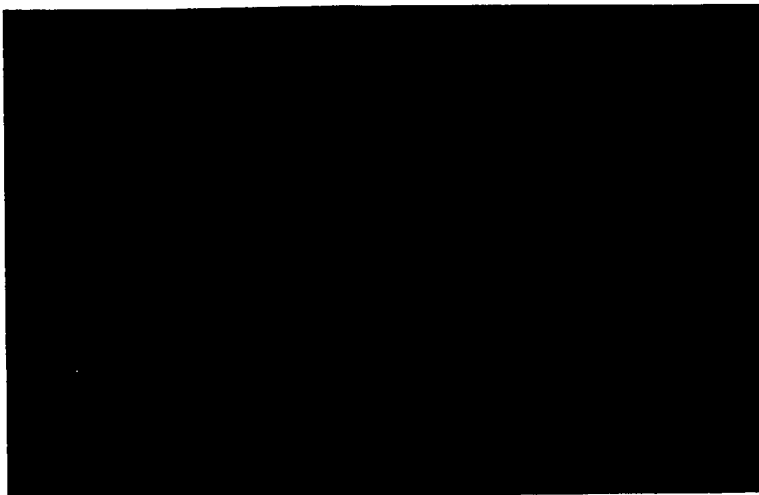


Fig. 8

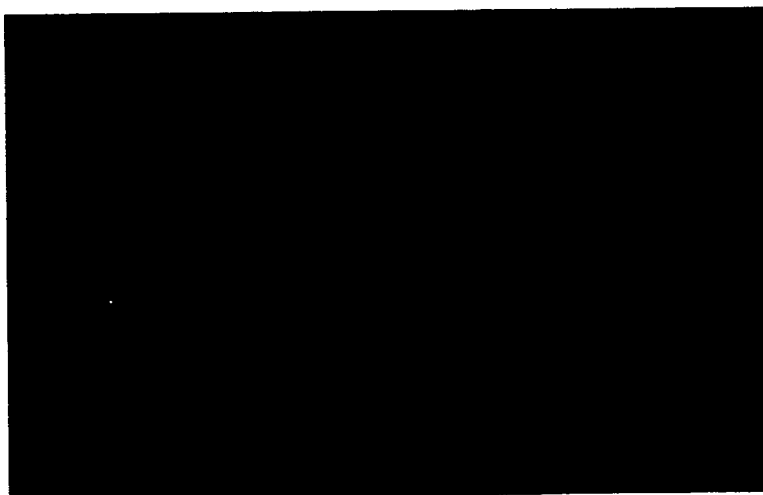
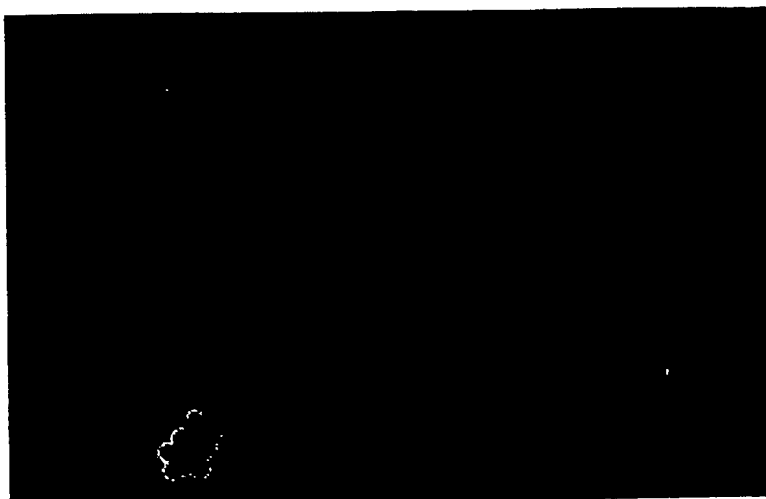


Fig. 9



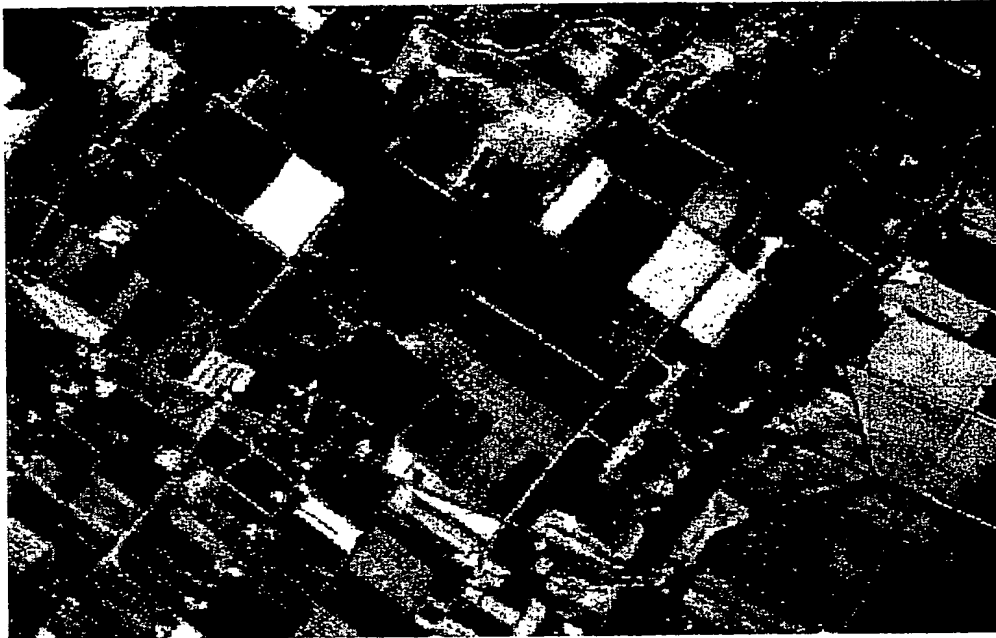


Fig. 10



Fig. 11

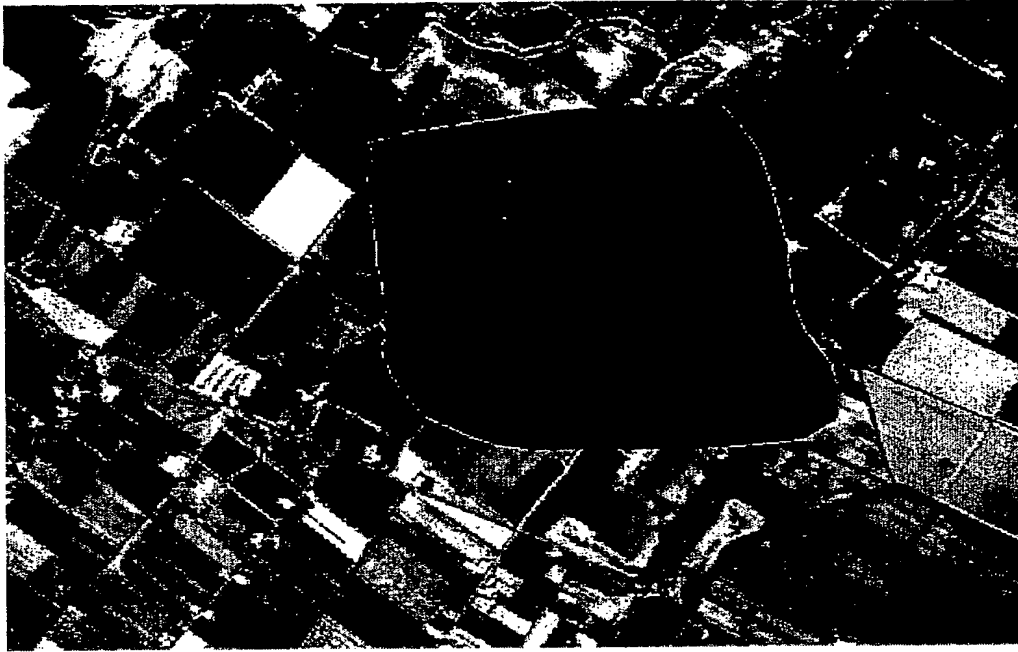


Fig. 12

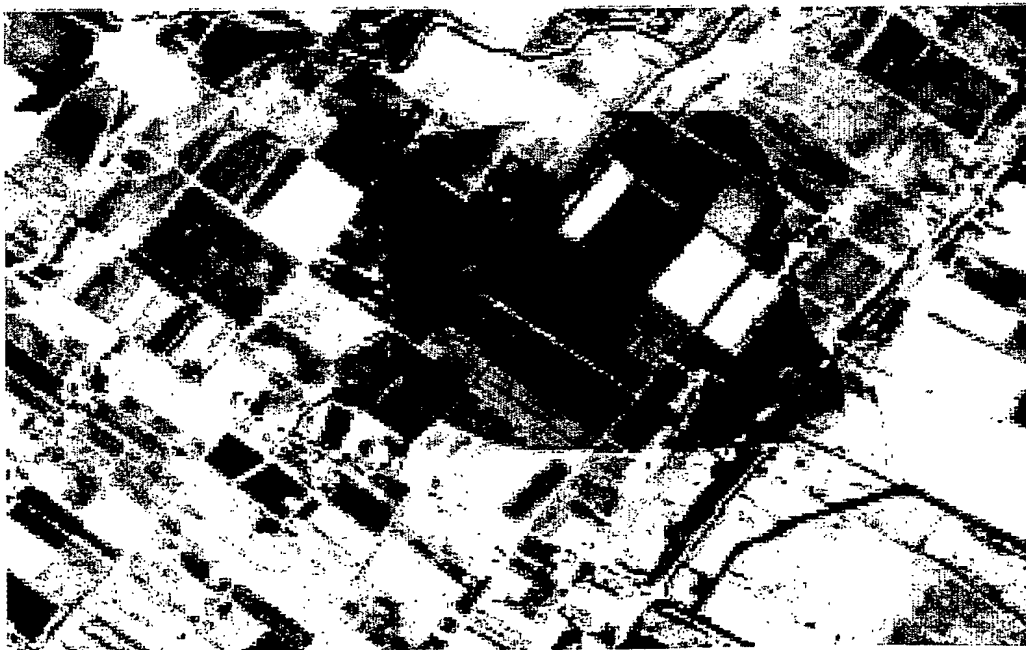


Fig. 13

INTERNATIONAL SEARCH REPORT

Inter al Application No

PCT/IT 02/00306

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01V9/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01V

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	LI P ET AL: "INFRARED IMAGING OF BURIED OBJECTS BY THERMAL STEP-FUNCTION EXCITATIONS" APPLIED OPTICS, OPTICAL SOCIETY OF AMERICA, WASHINGTON, US, vol. 34, no. 25, 1 September 1995 (1995-09-01), pages 5809-5816, XP000523008 ISSN: 0003-6935 page 5813, left-hand column, line 24 -right-hand column, line 9 page 5814, left-hand column, line 33 -right-hand column, line 12 ---	1,2,4-7, 16,18, 19, 22-24, 26-29
A	DE 100 32 698 A (SCHRODT STEPHAN) 17 January 2002 (2002-01-17) column 3, line 64 -column 4, line 24; claims 1,4,49,50 --- -/--	1,2,4,5, 15,16,22

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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International Application No

PCT/IT 02/00306

C.(Continuation) DOCUMENTS CONSIDERED RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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